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**Title:** CN1168720A: APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS

**Derwent Title:** Laboratory chemical analysing and synthesising system using micro-chip system for variety of applications e.g. sample injection - has body with integrated channels connecting number of reservoirs together such that material from one reservoir can be transported to another [\[Derwent Record\]](#)

**Country:** CN China

**Kind:** A Unexamined APPLIC. open to Public inspection !

**Inventor:** MICHAEL. J. RAMSEY; United States of America

**Assignee:** LOCKHEED MARTIN ENERGY SYSTEMS, INC. United States of America  
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**Published / Filed:** 1997-12-24 / 1995-08-01

**Application Number:** CN1995000195417

**IPC Code:** G01N 27/00; G01N 27/26;

**ECLA Code:** None

**Priority Number:** 1994-08- US1994000283769

**INPADOC Legal Status:** None [Get Now: Family Legal Status Report](#)

**Designated Country:** AM AP BB BG BR BY CZ EE FI GE HU IS KG KP KR KZ LK LR LT LV MD BE CH ES FR GB GR IE IT LI LU MC

**Family:**

PDF	Publication	Pub. Date	Filed	Title



High Resolution

<input checked="" type="checkbox"/>	WO9604547A1	1996-02-15	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	US20040137445A1	2004-07-15	2003-05-09	Apparatus and method for performing microfluidic manipulations for chemical analysis
<input checked="" type="checkbox"/>	US20040009517A1	2004-01-15	2003-05-09	Apparatus and method for performing microfluidic manipulations for chemical analysis
<input checked="" type="checkbox"/>	US20040007464A1	2004-01-15	2003-05-09	Apparatus and method for performing microfluidic manipulations for chemical analysis
<input checked="" type="checkbox"/>	US20030226755A1	2003-12-11	2003-04-30	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US20030226753A1	2003-12-11	2003-04-30	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US20030205470A1	2003-11-06	2003-04-30	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US20030205469A1	2003-11-06	2003-04-30	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US20030150733A1	2003-08-14	2002-10-01	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US20020008030A1	2002-01-24	2001-07-20	Apparatus and method for performing microfluidic manipulations for chemical analysis
<input checked="" type="checkbox"/>	US6475363B1	2002-11-05		
<input checked="" type="checkbox"/>	US6475363	2002-11-05	2000-01-04	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US6342142B1	2002-01-29		
<input checked="" type="checkbox"/>	US6342142	2002-01-29	1999-04-27	Apparatus and method for performing microfluidic manipulations for chemical analysis
<input checked="" type="checkbox"/>	US6033546	2000-03-07	1998-09-15	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US6010608	2000-01-04	1998-09-16	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US6010607	2000-01-04	1998-09-16	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	US6001229	1999-12-14	1994-08-01	Apparatus and method for performing microfluidic manipulations for chemical analysis
<input checked="" type="checkbox"/>	US5858195	1999-01-12	1997-02-03	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	JP10507516T2	1998-07-21	1995-08-01	
<input checked="" type="checkbox"/>	ES2185709T3	2003-05-01	1995-08-01	APARATO Y METODO PARA REALIZAR MANIPULACIONES

<input checked="" type="checkbox"/>	<a href="#">EP1382962A1</a>	2004-01-21	1995-08-01	MICROFLUIDICAS PARA ANALISIS Y SINTESIS QUIMICOS. Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	<a href="#">EP1162455A1</a>	2001-12-12	1995-08-01	Apparatus and method for performing microfluidic manipulations for chemical analysis and synthesis
<input checked="" type="checkbox"/>	<a href="#">EP0775306B1</a>	2002-10-30	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">EP0775306A4</a>	1997-10-22	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">EP0775306A1</a>	1997-05-28	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">DK0775306T3</a>	2002-11-25	1995-08-01	FREMANGSMAADE VED UDØEVELSE AF MIKROFLUID MANIPULATION FOR KEMISK ANALYSE OG SYNTSE OG INDRETNING TIL UDØEVELSE AF FREMGANGSMAADEN
<input checked="" type="checkbox"/>	<a href="#">DE69528705T2</a>	2003-07-03	1995-08-01	VERFAHREN UND VORRICHTUNG ZUM AUSFUEHREN VON MIKROFLUIDMANIPULATIONEN FUER CHEMISCHE ANALYSE UND SYNTHESE
<input checked="" type="checkbox"/>	<a href="#">DE69528705C0</a>	2002-12-05	1995-08-01	VERFAHREN UND VORRICHTUNG ZUM AUSFUEHREN VON MIKROFLUIDMANIPULATIONEN FUER CHEMISCHE ANALYSE UND SYNTHESE
<input checked="" type="checkbox"/>	<a href="#">CN1168720A</a>	1997-12-24	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">CN1052301B</a>	2000-05-10	1995-08-01	APPARATUS AND MEHTOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">CA2196429C</a>	2001-05-08	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">CA2196429AA</a>	1996-02-15	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">AU3150895A1</a>	1996-03-04	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR CHEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">AU0701348B2</a>	1999-01-28	1995-08-01	APPARATUS AND METHOD FOR PERFORMING MICROFLUIDIC MANIPULATIONS FOR HEMICAL ANALYSIS AND SYNTHESIS
<input checked="" type="checkbox"/>	<a href="#">AT0227023E</a>	2002-11-15	1995-08-01	VERFAHREN UND VORRICHTUNG ZUM AUSFUEHREN VON MIKROFLUIDMANIPULATIONEN FUER CHEMISCHE ANALYSE UND SYNTHESE
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